

Compact Computer Designed for Rugged Environments



Sealevel's [Relio R1420](#) [1] is a small, rugged embedded computer that operates without fans or other moving parts for the most reliable operation possible. Designed for harsh

industrial and commercial environments, the Relio R1420 is perfect for

mobile applications, embedded control and test & measurement.

The Relio R1420 offers a wealth of standard I/O including dual Gigabit Ethernet, six USB 2.0 ports, four serial ports, 8-bit GPIO, audio output and VGA video. Powered by a 1.6GHz Intel Atom N450 CPU, the Relio R1420 includes 2GB RAM and offers very low power consumption while operating fanless up to 50°C ambient.

Users can choose to operate from CompactFlash or a removable 2.5" SATA solid state disk. Popular operating system options include 32-bit and 64-bit versions of Windows 7 Professional. Linux is also supported.

The R1420 is powered from a 9-30VDC source or select from a variety of [power supply](#) [2] options. The system is housed in a compact, rugged metal enclosure with the same footprint as Sealevel's Seal/O modules. Optional brackets allow for versatile mounting to walls, under counters, on tabletops or even to DIN rails.

Local or remote I/O expansion is available using Sealevel's [Seal/O data acquisition](#) [3] modules. Choose from a variety of I/O configurations including optically isolated inputs, Reed and Form C relay outputs, TTL interfaces, AD and DA. The Relio R1420 connects to Seal/O modules via the system's RJ45 pass-through port and communicates using RS-485 Modbus RTU.

Features include:

- Powerful 1.6GHz Intel Atom N450 processor
- 2GB DDR2 SDRAM
- Integrated Intel Core 2.5+ GHz Core Graphics supports 3DGA resolution up to 1400x1050
- Optional 2.5" SATA or 2.5" SATA Hard Drive
- Standard I/O features include four Gigabit Ethernet ports, six USB 2.0 ports, four GPIO and four serial ports
- 0°C - 50°C wide operating temperature range
- Total power range of 0-30WDC

Compact footprint and rugged metal case are ideal for industrial applications.

The Relio R1420 is available immediately from stock with prices starting at \$999.00. Extended temperature motherboards, hard drives and other options are available. Call today to discuss a solution for your specific application.

For more information, visit www.sealevel.com [4] or call +1 864-843-4343.

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Links:

[1] <http://www.sealevel.com/store/r1420>

[2] <http://www.sealevel.com/store/accessories/power-supplies.html>

[3] <http://www.sealevel.com/store/i-o/distributed-i-o.html>

[4] <http://www.sealevel.com/>

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